

P#13



1646

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/829,936A

DATE: 02/19/2002
TIME: 12:02:14

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\02192002\I829936A.raw

ENTERED

3 <110> APPLICANT: Aventis Pharma, S.A.
5 <120> TITLE OF INVENTION: Polyopeptide (MBP1) Capable Of Interacting With Oncogenic
Mutants Of The

6 P53 Protein
8 <130> FILE REFERENCE: ST98033
10 <140> CURRENT APPLICATION NUMBER: 09/829,936A
11 <141> CURRENT FILING DATE: 2001-04-11
13 <150> PRIOR APPLICATION NUMBER: FR9812754
14 <151> PRIOR FILING DATE: 1998-10-12
16 <160> NUMBER OF SEQ ID NOS: 33
18 <170> SOFTWARE: PatentIn version 3.1
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 23
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Oligonucleotide
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32 <210> SEQ ID NO: 2
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34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Oligonucleotide 3' -393 (p53)
40 <400> SEQUENCE: 2
41 agatctcatac agtctgagtc aggccttc 29
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45 <211> LENGTH: 15
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Oligonucleotide H175 3'
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53 gggcgagtgc ctcac 15
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58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Oligonucleotide W248 3'
64 <400> SEQUENCE: 4
65 gggcctccag ttcat 15
68 <210> SEQ ID NO: 5

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69 <211> LENGTH: 15
70 <212> TYPE: DNA
71 <213> ORGANISM: Artificial Sequence
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74 <223> OTHER INFORMATION: Oligonucleotide H273 3'
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78 acaaacatgc acctc
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84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: Oligonucleotide G281 3'
89 <400> SEQUENCE: 6
90 gcgccggcct ctccc 15
93 <210> SEQ ID NO: 7
94 <211> LENGTH: 23
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial Sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Oligonucleotide 5' -73
101 <400> SEQUENCE: 7
102 agatctgtgt ggcccttgca cca 23
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106 <211> LENGTH: 1021
107 <212> TYPE: DNA
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Fragment C-term MBP1 murine: CDS (1)...(885)
113 <400> SEQUENCE: 8
114 tgcacctgcc ctgatggta ccgaaaaatt ggaccgaaat gtgtggacat agatgagtgt 60
116 cgttaccgct attgccagca tcgatgtgt aacctgccc gtcctttcg atgcaggatgt 120
118 gagccaggct tccagttggg acctaacaac cgctttgtg tggatgtgaa tgagtgtgac 180
120 atgggagccc catgtgagca gcgtgtcttc aactctatg gacacccct gtgtcgctgt 240
122 aaccagggtc atgagctgca cccggatggc ttctcctgca gogatatcga tgagtgcggc 300
124 tactccagtt acctctgca gtaccgctgt gtcaacgagc caggccgatt ctccgtcac 360
126 tgcccacaag gctaccagct gctggctaca aggctctgcc aagatattga cgagtgtgaa 420
128 acaggtgcac accaatgttc tgaggccaa acctgtgtca acttccatgg gggtaaccgc 480
130 tggatggaca ccaaccgtt tggatggccc tatgtccaag tggatggaca cccgtgcctc 540
132 tgccctgcct ccaatcccc ttgtcgagag cagcccttcat ccattgtgca cccgtacatg 600
134 agcatcacct cagagcgaag tggctgtgt gacgtgttgc agatccaggc aacctctgtc 660
136 taccctggtg cctacaatgc ctttcagatc cggttggaa acacacaggg ggacttctac 720
138 attaggcaaa tcaacaatgt cagcgccatg ctggctctcg ccaggccagt gacgggaccc 780
140 cggaggtacg tgctggacct ggagatggtc accatgaatt cccttatgag ctaccgggccc 840
142 agctctgtac tgagactcac ggtctttgtg ggagctata cttctgtaa accctcagg 900
144 aaggggccatg tggggggcccc ttccccctcc catagctaa gcagccccgg gggcttaggg 960
146 atgaccgttc tgcttaaagg aactatgtat tgaaggacaa taaagggaga aagaaggaaa 1020
148 a 1021
151 <210> SEQ ID NO: 9

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152 <211> LENGTH: 295
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Fragment C-term MBP1 murine
159 <400> SEQUENCE: 9
161 Cys Thr Cys Pro Asp Gly Tyr Arg Lys Ile Gly Pro Glu Cys Val Asp
162 1 5 10 15
165 Ile Asp Glu Cys Arg Tyr Arg Tyr Cys Gln His Arg Cys Val Asn Leu
166 20 25 30
169 Pro Gly Ser Phe Arg Cys Gln Cys Glu Pro Gly Phe Gln Leu Gly Pro
170 35 40 45
173 Asn Asn Arg Ser Cys Val Asp Val Asn Glu Cys Asp Met Gly Ala Pro
174 50 55 60
177 Cys Glu Gln Arg Cys Phe Asn Ser Tyr Gly Thr Phe Leu Cys Arg Cys
178 65 70 75 80
181 Asn Gln Gly Tyr Glu Leu His Arg Asp Gly Phe Ser Cys Ser Asp Ile
182 85 90 95
185 Asp Glu Cys Gly Tyr Ser Ser Tyr Leu Cys Gln Tyr Arg Cys Val Asn
186 100 105 110
189 Glu Pro Gly Arg Phe Ser Cys His Cys Pro Gln Gly Tyr Gln Leu Leu
190 115 120 125
193 Ala Thr Arg Leu Cys Gln Asp Ile Asp Glu Cys Glu Thr Gly Ala His
194 130 135 140
197 Gln Cys Ser Glu Ala Gln Thr Cys Val Asn Phe His Gly Gly Tyr Arg
198 145 150 155 160
201 Cys Val Asp Thr Asn Arg Cys Val Glu Pro Tyr Val Gln Val Ser Asp
202 165 170 175
205 Asn Arg Cys Leu Cys Pro Ala Ser Asn Pro Leu Cys Arg Glu Gln Pro
206 180 185 190
209 Ser Ser Ile Val His Arg Tyr Met Ser Ile Thr Ser Glu Arg Ser Val
210 195 200 205
213 Pro Ala Asp Val Phe Gln Ile Gln Ala Thr Ser Val Tyr Pro Gly Ala
214 210 215 220
217 Tyr Asn Ala Phe Gln Ile Arg Ser Gly Asn Thr Gln Gly Asp Phe Tyr
218 225 230 235 240
221 Ile Arg Gln Ile Asn Asn Val Ser Ala Met Leu Val Leu Ala Arg Pro
222 245 250 255
225 Val Thr Gly Pro Arg Glu Tyr Val Leu Asp Leu Glu Met Val Thr Met
226 260 265 270
229 Asn Ser Leu Met Ser Tyr Arg Ala Ser Ser Val Leu Arg Leu Thr Val
230 275 280 285
233 Phe Val Gly Ala Tyr Thr Phe
234 290 295
237 <210> SEQ ID NO: 10
238 <211> LENGTH: 39
239 <212> TYPE: DNA
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:

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243 <223> OTHER INFORMATION: Oligonucleotide c-myc 5'
245 <400> SEQUENCE: 10
246 gatccatgga gcagaagctg atctccgagg aggacctga 39
249 <210> SEQ ID NO: 11
250 <211> LENGTH: 39
251 <212> TYPE: DNA
252 <213> ORGANISM: Artificial Sequence
254 <220> FEATURE:
255 <223> OTHER INFORMATION: Oligonucleotide c-myc 3'
257 <400> SEQUENCE: 11
258 gatctcaggt cctcctcgga gatcagcttc tgctccatg 39
261 <210> SEQ ID NO: 12
262 <211> LENGTH: 45
263 <212> TYPE: DNA
264 <213> ORGANISM: Artificial Sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: MCS 5'
269 <400> SEQUENCE: 12
270 gatctcggtc gacctgcatg caattccgg gtgcggccgc gagct 45
273 <210> SEQ ID NO: 13
274 <211> LENGTH: 37
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: MCS 3'
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282 cgccggccgca cccgggaatt gcatgcaggt cgaccga 37
285 <210> SEQ ID NO: 14
286 <211> LENGTH: 22
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
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291 <223> OTHER INFORMATION: Oligonucleotide 3' mMBP1
293 <400> SEQUENCE: 14
294 cggtaactggc agaggttaact gg 22
297 <210> SEQ ID NO: 15
298 <211> LENGTH: 1513
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: MBP1 murine (complete sequence): CDS (49)...(1377)
305 <400> SEQUENCE: 15
306 gctgtggcag aaaccctgta cttctgcccc ccacccccc gcctcaggat gctccctttt 60
308 gcctcctgcc tccccgggtc tttgctgctc tggcggttc tgctgttgc cttgggagca 120
310 gcgtccccac aggatccccgaa ggagccggac agctacacgg aatgcacaga tggctatgag 180
312 tggatgcag acagccagca ctgccccggat gtcaacgagt gcctgaccat cccggaggct 240
314 tgcaagggtg agatgaaatg catcaaccac tacgggggtt atttgtgtct gcctcgctct 300
316 gctgccgtca tcagtgtatc ccatgggtgaa ggacccac ccgtcggc ccatgctcaa 360
318 caacccaaacc cttgccccgca gggctacgag cctgatgaac aggagagctg tgtggatgtg 420

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320	gacgagtgt	ccaggctt	gcatgactgt	cgcctagtc	aggactgcca	taacccct	480	
322	ggctcctacc	agtgcacctg	ccctgatgg	taccgaaaaa	ttggaccg	atgtgtggac	540	
324	atagatgagt	gtcggttacc	ctattgccag	catcgatgt	tgaacctg	ccc gggctttt	600	
326	cgtatgcc	gtgagccagg	cttccagtt	ggacctaaca	accgctct	tgtggatgt	660	
328	aatgagtgt	acatgggagc	cccatgtgag	cagcgctg	tcaactcc	tgggaccc	720	
330	ctgtgtcg	cttaccagg	ctatgagct	caccggat	gcttctcc	cagcgatata	780	
332	gatgagtgc	gtactcc	ttacctctgc	cagtaccg	gtgtcaacga	gccaggccga	840	
334	ttccctgt	actgcccaca	aggctacc	ctgctgg	ctaaggct	ccaa	900	
336	gacgagtgt	aaacagg	gtc acaccaat	tctgagg	ccc aaac	ctgtgt	caacttccat	960
338	gggggttacc	gctgtgt	gca	cccaacc	tgtgtgg	gac	cctatgtcca	1020
340	aaacgctg	tctgcct	ctccaatccc	cttgc	gag	cc	atccattgt	1080
342	caccgctaca	tgagcatc	ctcagagc	agtgtgc	ctgacgt	ttc	agatccag	1140
344	gcaacctct	tctacc	ctgg	tgcctaca	gcctt	tc	aaacacac	1200
346	ggggactt	acattagg	ca	aatcaaca	gtcagc	cc	tgctgt	1260
348	gtgacggg	acccc	ggagta	cgtgtgg	ctggagat	gg	tcaccatgaa	1320
350	agctaccgg	ccagct	ctgt	actgagact	acgg	ttt	tgggagc	1380
352	agaccctc	tag	ggaagg	cc	tgtgggg	cc	ccttccat	1440
354	gggggcct	tag	ggatgacc	gt	tctt	aaa	ggaa	1500
356	gaaagaag	gaa	aaa	gaaactat	g	tgtaagg	gaaactatg	1513

359 <210> SEQ ID NO: 16

360 <211> LENGTH: 442

361 <212> TYPE: PRT

362 <213> ORGANISM: Artificial Sequence

364 <220> FEATURE:

365 <223> OTHER INFORMATION: MBP1 murine (complete sequence)

367 <400> SEQUENCE: 16

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373	Phe	Leu	Leu	Leu	Leu	Leu	Gly	Ala	Ala	Ser	Pro	Gln	Asp	Pro	Glu	Glu
374						20			25						30	
377	Pro	Asp	Ser	Tyr	Thr	Glu	Cys	Thr	Asp	Gly	Tyr	Glu	Trp	Asp	Ala	Asp
378						35			40						45	
381	Ser	Gln	His	Cys	Arg	Asp	Tyr	Asn	Glu	Cys	Leu	Thr	Ile	Pro	Glu	Ala
382						50			55						60	
385	Cys	Lys	Gly	Glu	Met	Lys	Cys	Ile	Asn	His	Tyr	Gly	Gly	Tyr	Leu	Cys
386					65			70		75					80	
389	Leu	Pro	Arg	Ser	Ala	Ala	Val	Ile	Ser	Asp	Leu	His	Gly	Glu	Gly	Pro
390							85			90					95	
393	Pro	Pro	Pro	Ala	Ala	His	Ala	Gln	Gln	Pro	Asn	Pro	Cys	Pro	Gln	Gly
394							100		105						110	
397	Tyr	Glu	Pro	Asp	Glu	Gln	Glu	Ser	Cys	Val	Asp	Val	Asp	Glu	Cys	Thr
398						115			120						125	
401	Gln	Ala	Leu	His	Asp	Cys	Arg	Pro	Ser	Gln	Asp	Cys	His	Asn	Leu	Pro
402						130			135						140	
405	Gly	Ser	Tyr	Gln	Cys	Thr	Cys	Pro	Asp	Gly	Tyr	Arg	Lys	Ile	Gly	Pro
406						145			150			155			160	
409	Glu	Cys	Val	Asp	Ile	Asp	Glu	Cys	Arg	Tyr	Arg	Tyr	Cys	Gln	His	Arg
410						165			170						175	
413	Cys	Val	Asn	Leu	Pro	Gly	Ser	Phe	Arg	Cys	Gln	Cys	Glu	Pro	Gly	Phe

VERIFICATION SUMMARY

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